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**Report: TAB Report**  
**Function: Test, Adjust, & Balance**  
**Date: 10/14/2025**  
**Completed By: National TAB**

# PROJECT

## 10-06-25 WAWA #8216 SOUTHAMPTON, PA

25 Second Street Pike

HUNTINGTON VALLEY, PA 19006

### Client

Wawa  
260 West Baltimore Pike

Wawa, PA 19063

# National TAB

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# National TAB

Project: 10-06-25 WAWA #8216 SOUTHAMPTON, PA

System/Unit: AHU/RTU



Asset: RTU1

AREA:RETAIL

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5625F01194
Model Num	LGT092H4E	LGT092H5ES2Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	15.5X25
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	ebm-papst
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	1780
Phase	3	3
Rated Voltage	208	240
Rated Amperage	-	7.5
Service Factor	-	NL

Drive Data	
	Actual
Motor Sheave Size	DIRECT DRIVE
Motor Bore Size	DIRECT DRIVE
Motor Sheave SetPt	DIRECT DRIVE
Fan Sheave Size	DIRECT DRIVE
Fan Sheave Bore	DIRECT DRIVE
Belt CL Distance	DIRECT DRIVE
Num of Belts	DIRECT DRIVE
Belt Size	DIRECT DRIVE

Test Data		
	Design	Actual
SF CFM	3000	2990
SF RPM	-	NA
MOTOR RPM	-	NA
RA CFM	2400	
OA CFM	600	
RL Voltage	-	
RL Amperage	-	
SF System SetPt	-	
RA Damper Position	-	MECHANICAL LINKAGE
RA Damper Type	-	MECHANICAL LINKAGE
OA Damper Position	-	
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.0"	
Fan Total SP	-	



# National TAB

Project:10-06-25 WAWA #8216 SOUTHAMPTON, PA

## AHU/RTU



**Diffuser Supply (GRD)**

**RTU1/RETAIL**

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	WASHROOM	LD1	10"	400	1.05	808	416	416	104.0
SGRD2	COFFEE	LD1	10"	300	1.05	537	300	311	103.7
SGRD3	RETAIL	LD1	10"	250	1.05	300	230	230	92.0
SGRD4	RETAIL	LD1	10"	250	1.05	313	251	251	100.4
SGRD5	REAIL	LD1	10"	250	1.05	313	248	248	99.2
SGRD6	RETAIL	LD1	10"	250	1.05	413	303	267	106.8
SGRD7	RETAIL	LD1	10"	250	1.05	495	237	252	100.8
SGRD8	RETAIL	LD1	10"	250	1.05	329	259	259	103.6
SGRD9	RETAIL	CD1	6"	100	1	178	107	107	107.0
SGRD10	RETAIL	LD1	10"	250	1.05	244	235	235	94.0
SGRD11	RETAIL	LD1	10"	250	1.05	274	264	264	105.6
SGRD12	ASSOCIATE AREA	CD1	8"	150	1	164	150	150	100.0
Total				2950		4368	3000	2990	101.36%

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Project: 10-06-25 WAWA #8216 SOUTHAMPTON, PA

System/Unit: AHU/RTU



Asset: RTU2

AREA:FOOD SERVICE

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5625E06325
Model Num	LCT150H4E	LGT150H5ES2Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	15.5X25
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	ebm-papst
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	1780
Phase	3	3
Rated Voltage	208	240
Rated Amperage	-	7.5
Service Factor	-	NL

Drive Data	
	Actual
Motor Sheave Size	DIRECT DRIVE
Motor Bore Size	DIRECT DRIVE
Motor Sheave SetPt	DIRECT DRIVE
Fan Sheave Size	DIRECT DRIVE
Fan Sheave Bore	DIRECT DRIVE
Belt CL Distance	DIRECT DRIVE
Num of Belts	DIRECT DRIVE
Belt Size	DIRECT DRIVE

Test Data		
	Design	Actual
SF CFM	5000	5045
SF RPM	-	NA
MOTOR RPM	-	NA
RA CFM	4050	
OA CFM	950	
RL Voltage	-	
RL Amperage	-	
SF System SetPt	-	
RA Damper Position	-	MECHANICAL LINKAGE
RA Damper Type	-	MECHANICAL LINKAGE
OA Damper Position	-	
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.0"	
Fan Total SP	-	



# National TAB

Project:10-06-25 WAWA #8216 SOUTHAMPTON, PA

## AHU/RTU



**Diffuser Supply (GRD)**

**RTU2/FOOD SERVICE**

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	COFFEE	LD1	12"	500	1.05	487	513	513	102.6
SGRD2	BEVERAGE	LD1	12"	500	1.05	499	494	494	98.8
SGRD3	BEVERAGE	LD1	12"	500	1.05	477	485	485	97.0
SGRD4	FOOD SERVICE	LD1	12"	500	1.05	647	492	492	98.4
SGRD5	FOOD SERVICE	LD1	12"	500	1.05	439	481	481	96.2
SGRD6	FOOD SERVICE	LD1	12"	500	1.05	679	495	495	99.0
SGRD7	ELECTRICAL ROOM	CD1	12"	550	1	552	611	595	108.2
SGRD8	BACKROOM	LD1	12"	475	1.05	546	444	507	106.7
SGRD9	BACKROOM	LD1	12"	500	1.05	625	487	487	97.4
SGRD10	BACKROOM	LD1	12"	475	1.05	779	496	496	104.4
Total				5000		5730	4998	5045	100.9%

**Diffuser Ret/Exh (GRD)**

**RTU2/FOOD SERVICE**

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	FOOD SERVICE	G1	16"	1050	1				-
EGRD2	FOOD SERVICE	G1	16"	1050	1				-
EGRD3	COFFEE	G1	16"	1050	1				-
EGRD4	BACKROOM	G1	16"	900	1				-
Total				4050		0	0	0	0%

# National TAB

Project: 10-06-25 WAWA #8216 SOUTHAMPTON, PA

System/Unit: AHU/RTU



Asset: RTU3

AREA:RETAIL/CHECKOUT

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5625E07067
Model Num	LGT092H4E	LGT092H5ES2Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	15.5X25
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	ebm-papst
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	1780
Phase	3	3
Rated Voltage	208	240
Rated Amperage	-	7.5
Service Factor	-	NL

Drive Data	
	Actual
Motor Sheave Size	DIRECT DRIVE
Motor Bore Size	DIRECT DRIVE
Motor Sheave SetPt	DIRECT DRIVE
Fan Sheave Size	DIRECT DRIVE
Fan Sheave Bore	DIRECT DRIVE
Belt CL Distance	DIRECT DRIVE
Num of Belts	DIRECT DRIVE
Belt Size	DIRECT DRIVE

Test Data		
	Design	Actual
SF CFM	3000	2917
SF RPM	-	NA
MOTOR RPM	-	NA
RA CFM	2400	
OA CFM	600	
RL Voltage	-	
RL Amperage	-	
SF System SetPt	-	
RA Damper Position	-	MECHANICAL LINKAGE
RA Damper Type	-	MECHANICAL LINKAGE
OA Damper Position	-	
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.0"	
Fan Total SP	-	

# Unit Data - PHOTO LOG



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Project:10-06-25 WAWA #8216 SOUTHAMPTON, PA

## AHU/RTU



**Diffuser Supply (GRD)**

**RTU3/RETAIL/CHECKOUT**

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	RETAIL	LD1	12"	400	1.05	436	439	404	101.0
SGRD2	RETAIL	LD1	10"	350	1.05	330	391	329	94.0
SGRD3	RETAIL	LD1	10"	350	1.05	408	317	345	98.6
SGRD4	RETAIL	CD2	10"	300	1	271	308	308	102.7
SGRD5	RETAIL	LD1	10"	350	1.05	377	359	368	105.1
SGRD6	RETAIL	LD1	10"	350	1.05	230	278	332	94.9
SGRD7	RETAIL	LD1	10"	350	1.05	427	344	349	99.7
SGRD8	OFFICE	CD1	8"	200	1	190	228	200	100.0
SGRD9	MENS RR	CD4	8"	125	1	179	125	137	109.6
SGRD10	WOMENS RR	CD4	6"	100	1	158	54	48	48.0
SGRD11	BOH	CD3	8"	100	1	362	96	97	97.0
Total				2975		3368	2939	2917	98.05%

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Project: 10-06-25 WAWA #8216 SOUTHAMPTON, PA

System/Unit: FAN - Exhaust



Asset: EF1

AREA:RESTROOMS

Unit Data		
	Design	Actual
MFG	PENNBARRY	PENNBARRY
Model Num	DX10R	DX10R
Serial Num	-	E25AV04781
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	400	
Fan RPM	1550	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.250"	
Fan Inlet SP	-	
Fan Discharge SP	-	

Motor Data		
	Design	Actual
Motor MFG	-	FASCO
Frame	-	NL
Horsepower	1/12	1/6
Motor Rpm	-	1550
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	1.80
Service Factor	-	NA

## Unit Data - PHOTO LOG



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Project:10-06-25 WAWA #8216 SOUTHAMPTON, PA

## FAN - Exhaust



### Diffuser Ret/Exh (GRD)

#### EF1/RESTROOMS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	MENS RR	G3	6"	175	1	175			-
EGRD2	WOMENS RR	G3	6"	175	1	155			-
EGRD3	JANITORS CLOSET	G5	6"	50	1	150			-
Total				400		480	0	0	0%

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Project: 10-06-25 WAWA #8216 SOUTHAMPTON, PA

System/Unit: FAN - Exhaust



Asset: EF2

AREA:FOOD SERVICE

Unit Data		
	Design	Actual
MFG	PENNBARRY	PENNBARRY
Model Num	DX16S	DX16R
Serial Num	-	E25AV04997
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	1400	
Fan RPM	1300	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.250"	
Fan Inlet SP	-	
Fan Discharge SP	-	

Motor Data		
	Design	Actual
Motor MFG	-	genteq
Frame	-	NL
Horsepower	1/3	1/2
Motor Rpm	-	1550
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	4.6
Service Factor	-	NL

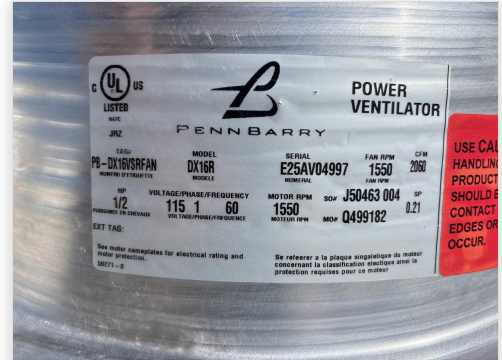
## Unit Data - PHOTO LOG



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Project:10-06-25 WAWA #8216 SOUTHAMPTON, PA

## FAN - Exhaust



### Diffuser Ret/Exh (GRD)

#### EF2/FOOD SERVICE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	FOOD SERVICE	G1	12"	500	1	450			-
EGRD2	FOOD SERVICE	G1	12"	400	1	499			-
EGRD3	FOOD SERVICE	G1	12"	400	1	491			-
EGRD4	STAGING AREA	G1	8"	100	1	220			-
Total				1400		1660	0	0	0%